

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001430

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04H 1/00, H04L 12/18
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04H, H04L, H04B, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	US 20040229624 A1 (CAI ET AL), 18 November 2004 (18.11.2004), paragraphs [0003],[0028], [0037]-[0048] --	
P,X	WO 2004057898 A1 (SIEMENS AKTIENGESELLSCHAFT), 8 July 2004 (08.07.2004), page 5, line 8 - page 6, line 5 --	1-7
P,X	WO 2004043099 A2 (SIEMENS AKTIENGESELLSCHAFT), 21 May 2004 (21.05.2004), claims --	1-7

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
27 January 2005

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02-02-2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0013426 A2 (SAMSUNG ELECTRONICS CO., LTD.), 9 March 2000 (09.03.2000), page 17, line 7 - line 12 --	1-7
A	EP 0994603 A2 (LUCENT TECHNOLOGIES INC.), 19 April 2000 (19.04.2000), paragraphs [0030]-[0032] --	1-7
A	US 5297144 A (SHELDON L. GILBERT ET AL), 22 March 1994 (22.03.1994), abstract -- -----	1-7

INTERNATIONAL SEARCH REPORT*

Information on patent family members

31/12/2004

International application No.

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US	20040229624	A1	18/11/2004	US	20040229572 A	18/11/2004
WO	2004102979	A	25/11/2004			
WO	2004057898	A1	08/07/2004	GB	0229450 D	00/00/0000
				GB	0323320 D	00/00/0000
WO	2004043099	A2	21/05/2004	GB	0225903 D	00/00/0000
WO	0013426	A2	09/03/2000	AU	732697 B	26/04/2001
				AU	5530499 A	21/03/2000
				BR	9906771 A	05/12/2000
				CA	2307341 A,C	09/03/2000
				CN	1111323 B	11/06/2003
				CN	1286839 T	07/03/2001
				EP	1055296 A	29/11/2000
				JP	2002524938 T	06/08/2002
				KR	2000015422 A	15/03/2000
				RU	2216103 C	10/11/2003
				US	6636496 B	21/10/2003
EP	0994603	A2	19/04/2000	CA	2281454 A,C	14/04/2000
				JP	2000188784 A	04/07/2000
				KR	2000034991 A	26/06/2000
				US	6674765 B	06/01/2004
US	5297144	A	22/03/1994	NONE		